# BRUHATH BANGALORE MAHANAGARA PALIKE

## Yelahanka Project Division

### Work Slip: As per Std Tender Documents

**Name of Work:** Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02

**Estimate Amount:-** Rs. 5,00,00,000.00/-

**Name of Contractor:-** Sri. MADHUSUDAN A N (SURAKSHA ELECTRICALS)

**Approved amount:-** 48819098.43

**Tender premium:-** 4.99% above

| Sl. No. | Description of Work | Unit | Qty as per ScheduleB | | | Total Qty Executed | Qty. as per Anticipated upto 125% | | | Qty. as per Anticipated above 125% | | | Total Amount | Excess amount | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qty | Rates | Amount | | Qty. | Rates | Amount | Qty. | Rates | Amt | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 20 |
| 5 | Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. | Sqm | 154.35 | 2175.48 | 335784.78 | 154.44 | 154.44 | 2175.48 | 335980.58 | 0.00 | 2175.48 | 0.00 | 335980.58 | 195.79 | |
| 8 | Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single | Nos | 80.00 | 10497.02 | 839761.40 | 208.00 | 208.00 | 10497.02 | 2183379.65 | 0.00 | 10497.02 | 0.00 | 2183379.65 | 1343618.25 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W<br>System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- | Nos | 130.00 | 20993.94 | 2729211.79 | 154.00 | 154.00 | 20993.94 | 3233066.27 | 0.00 | 20993.94 | 0.00 | 3233066.27 | 503854.48 | |
| 15 | Supplying and Fixing of.....mm dia class A GI pipe bracket upto 2 ms long bent at suitable angle and fixing to this bracket 1x40/2x40 W fluorescent tube street light fitting of all capacities to GI or GI or rail or RCC pole / wall using suitable clA, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.Pipe | Each | 1040.00 | 947.03 | 984911.08 | 1060.00 | 1060.00 | 947.03 | 1003851.67 | 0.00 | 947.03 | 0.00 | 1003851.67 | 18940.60 | |
| 17 | Supplying of 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 16 Sqmm, 4 Core, (11 GI Strips - 4 x 0.8 mm) | Km | 4.50 | 192597.26 | 866687.69 | 5.77 | 5.63 | 192597.26 | 1083359.61 | 0.15 | 192597.26 | 28504.40 | 1111864.01 | 245176.32 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Supplying of 1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 3.5 Core, (12 GI Strips - 4 x 0.8 mm) | Km | 1.20 | 190507.96 | 228609.55 | 1.64 | 1.50 | 190507.96 | 285761.94 | 0.14 | 190507.96 | 26956.88 | 312718.82 | 84109.27 |
| 20 | Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff 2.5 to 25 Sqmm | Km | 5.70 | 16965.47 | 96703.20 | 7.41 | 7.13 | 16965.47 | 120879.00 | 0.29 | 16965.47 | 4911.50 | 125790.50 | 29087.30 |
| 24 | Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts as per IS-694:2010 4C X 1.5Sq.mm | Mtrs | 1000.00 | 92.36 | 92364.40 | 2484.00 | 1250.00 | 92.36 | 115455.50 | 1234.00 | 92.36 | 113977.67 | 229433.17 | 137068.77 |
| 35 | Supplying Spiral Earth Electrode | Each | 48.00 | 260.39 | 12498.67 | 132.00 | 60.00 | 260.39 | 15623.34 | 72.00 | 260.39 | 18748.01 | 34371.35 | 21872.68 |
| 42 | Supply of 3 Mtr Powder Coated Mild Steel Pole with 3mm thickness having top Triangle shape with light 36w and arm light 24w Body Colour Grey/Black . 3mtr pole will have blue colour 20w strip on double side of the pole. Square base Plate sized 250x250 welded at the bottom of the pole with required 4 nos foundation Bolts suitable for cable entry hole of 60mm at the bottom of the Pole. MCB access door cutting of 500mm from the bottom of the pole with 12 inches Height. Make : Emerald Lighting Solutions Model XENON X-VI or any equalent | Nos | 20.00 | 45933.50 | 918670.08 | 30.00 | 25.00 | 45933.50 | 1148337.60 | 5.00 | 45933.50 | 229667.52 | 1378005.12 | 459335.04 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Supply of 3 Mtr Powder Coated Mild Steel pole with 3mm thickness having top Triangle shape. Arm will have 600mm length at one side PCB will be palced with 36w light output , Body Colour Grey/Black . 3mtr pole and top triangle fixture will have blue colour 20w strip on double side of the pole. Square base Plate sized 250x250 welded at the bottom of the pole with required 4 nos foundation Bolts suitable for cable entry hole of 60mm at the bottom of the Pole. MCB access door cutting of 500mm from the bottom of the pole with 12 inches Height. Make : Emerald Lighting solutions Model TRIO or any equalent | Nos | 22.00 | 47770.77 | 1050956.93 | 27.00 | 27.00 | 47770.77 | 1289810.77 | 0.00 | 47770.77 | 0.00 | 1289810.77 | 238853.85 | |
| 58 | Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal soil 5/6" bore size | Mtr | 122.00 | 890.24 | 108608.74 | 454.00 | 152.50 | 890.24 | 135760.93 | 301.50 | 890.24 | 268406.03 | 404166.96 | 295558.22 | |
| | **Grand total** | | | | **48819098.43** | | | | **44345280.21** | | | **691172.01** | **45036452.21** | **3377670.56** | |

**Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100**

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| **Approved Amount =** | **48819098.43** |
| **Excess Amount =** | **3377670.56** |

**Percentage of Worslip =** $\frac{\text{Excess Amount}}{\text{Approved Amount}}$ **X 100**

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|---|---|
| **Percentage of Worslip =** | **6.92** % |

Contractor

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer (Elc)
Yelahanka Project Division

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Executive Engineer
Yelahanka Project Division